AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions:

1. (Currently Amended) A method comprising:

receiving ~~an indicator of~~ a level of brightness setting for a display, said display having a backlight driven by a voltage inverter; and

selecting either a continuous mode of operation for the voltage inverter or a burst mode of operation for the voltage inverter based ~~at least in part on the indicator~~ on the level of brightness setting for the display.

2. (Currently Amended) The method of claim 1 ~~further comprising~~ wherein selecting either the continuous mode of operation or the burst mode of operation comprises:

comparing the level of brightness setting for the display to a threshold brightness setting;

if the level of brightness setting for the display is above the threshold brightness setting, ~~setting the indicator to indicate a high brightness setting~~ selecting the continuous mode of operation; and

if the level of brightness setting for the display is below the threshold brightness setting, ~~setting the indicator to indicate a low brightness setting~~ selecting the burst mode of operation.

- 2 -

3. (Previously Presented) The method of claim 2 wherein the threshold

brightness setting corresponds to 60 candela per meter squared.

4. (Previously Presented) A method comprising:

comparing a brightness level for a backlight to a threshold brightness

level, said backlight having a voltage inverter;

if the brightness level is above the threshold brightness level, setting an

indicator to indicate a high brightness level;

if the brightness level is below the threshold brightness level, setting the

indicator to indicate a low brightness level; and

selecting either a continuous mode of operation for the voltage inverter or

a burst mode of operation for the voltage inverter based at least in part on the

indicator, wherein the threshold brightness level corresponds to an intersection

of an efficiency curve of the voltage inverter in the continuous mode and an

efficiency curve of the voltage inverter in the burst mode.

5. (Original) The method of claim 4 further comprising:

locating the intersection.

6. (Currently Amended) The method of claim 1 further comprising:

adjusting the level of brightness setting for the display based on at least

one of a user input and an operating system control.

- 3 -

Atty. Docket No.: P17636
Application No.: 10/750,140

7. (Cancelled)

8. (Currently Amended) An apparatus comprising:

an inverter component for a backlight for a display; and

a controller for the inverter component, said controller to operate the

inverter component in either a continuous mode or a burst mode based ~~at least~~

~~in part~~on a level of brightness setting for the display.

9. (Previously Presented) The apparatus of claim 8 wherein the inverter

component comprises:

a first switch coupled between a first node and a second node, said first

node to couple to a voltage source;

a second switch coupled between the second node and a third node, said

third node to couple to a ground;

a third switch coupled between the first node and a fourth node;

a fourth switch coupled between the third node and the fourth node;

a first capacitive element coupled between the second node and a fifth

node;

a transformer having a first coil coupled between the fourth node and the

fifth node, and a second coil to couple a sixth node to a first terminal of the

backlight; and

a second capacitive element to couple the sixth node to a second terminal

of the backlight.

- 4 -

Atty. Docket No.: P17636
Application No.: 10/750,140

10. (Original) The apparatus of claim 9 wherein the first, second, third, and fourth switches comprise field effect transistors (FETs).

11. (Original) The apparatus of claim 9 wherein the controller is to open and close the first, second, third, and fourth switches.

12. (Original) The apparatus of claim 9 wherein, in the continuous mode, the first and fourth switches are switched in phase, the second and third switches are switched in phase, and the first and fourth switches are switched 180 degrees out of phase with the second and third switches.

13. (Previously Presented) The apparatus of claim 9 wherein, in the burst mode, the first, second, third, and fourth switches are open during a resting duration.

14. (Previously Presented) The apparatus of claim 8 wherein the controller comprises:

    an indicator pin to receive an indication of the brightness setting of the display.

- 5 -

Atty. Docket No.: P17636
Application No.: 10/750,140

15. (Currently Amended) A ~~machine readable~~ computer readable medium having stored thereon ~~machine executable~~ computer executable instructions that, when executed, implement a method comprising:

receiving ~~an indicator of~~ a level of brightness setting for a display, said display having a backlight driven by a voltage inverter; and

selecting either a continuous mode of operation for the voltage inverter or a burst mode of operation for the voltage inverter based ~~at least in part on the indicator~~ on the level of brightness setting for the display.

16. (Currently Amended) The ~~machine readable~~ computer readable medium of claim 15 wherein ~~the method further~~ selecting either the continuous mode of operation or the burst mode of operation comprises:

comparing the level of brightness setting for the display to a threshold brightness setting;

if the level of brightness setting for the display is above the threshold brightness setting, ~~setting the indicator to indicate a high brightness setting~~ selecting the continuous mode of operation; and

if the level of brightness setting for the display is below the threshold brightness setting, ~~setting the indicator to indicate a low brightness setting~~ selecting the burst mode of operation.

- 6 -

Atty. Docket No.: P17636
Application No.: 10/750,140

17. (Currently Amended) The computer readable machine-readable-medium of claim 16 wherein the threshold brightness setting corresponds to 60 candela per meter squared.

18. (Currently Amended) A computer readable machine-readable-medium having stored thereon machine-executable computer executable instructions that, when executed, implement a method comprising:

comparing a brightness level for a backlight to a threshold brightness level, said backlight having a voltage inverter;

if the brightness level is above the threshold brightness level, setting an indicator to indicate a high brightness level;

if the brightness level is below the threshold brightness level, setting the indicator to indicate a low brightness level; and

selecting either a continuous mode of operation for the voltage inverter or a burst mode of operation for the voltage inverter based at least in part on the indicator, wherein the threshold brightness level corresponds to an intersection of an efficiency curve of the voltage inverter in the continuous mode and an efficiency curve of the voltage inverter in the burst mode.

19. (Currently Amended) The computer readable machine-readable-medium of claim 18 wherein the method further comprises:

locating the intersection.

- 7 -

Atty. Docket No.: P17636
Application No.: 10/750,140

20. (Currently Amended) The computer readablemachine readable medium of

claim 15 wherein the method further comprises:

adjusting the brightness setting for the display based on at least one of a

user input and an operating system control.

21. (Cancelled)

22. (Previously Presented) A system comprising:

a display;

a cold cathode florescent lamp (CCFL) in the display; and

a voltage inverter comprising

an inverter component for the CCFL, and

a controller for the inverter component, said controller to operate

the inverter component in either a continuous mode or a burst mode based at

least in part on a level of brightness setting for the display.

23. (Previously Presented) The system of claim 22 wherein the inverter

component comprises:

a first switch coupled between a first node and a second node, said first

node to couple to a voltage source;

a second switch coupled between the second node and a third node, said

third node to couple to a ground;

a third switch coupled between the first node and a fourth node;

- 8 -

Atty. Docket No.: P17636
Application No.: 10/750,140

a fourth switch coupled between the third node and the fourth node;

a first capacitive element coupled between the second node and a fifth

node;

a transformer having a first coil coupled between the fourth node and the

fifth node, and a second coil to couple a sixth node to a first terminal of the

backlight; and

a second capacitive element to couple the sixth node to a second terminal

of the backlight.

24. (Original) The system of claim 23 wherein the controller is to open and

close the first, second, third, and fourth switches.

25. (Original) The system of claim 23 wherein, in the continuous mode, the first

and fourth switches are switched in phase, the second and third switches are

switched in phase, and the first and fourth switches are switched 180 degrees

out of phase with the second and third switches.

26. (Previously Presented) The system of claim 23 wherein, in the burst mode,

the first, second, third, and fourth switches are open during a resting duration.

- 9 -

Atty. Docket No.: P17636
Application No.: 10/750,140

27. (Previously Presented) The system of claim 22 wherein the controller comprises:

an indicator pin to receive an indication of the brightness setting of the display.

- 10 -